

# Species

## A correction on the description of *Olyra longicaudata* McClelland, 1842 (Teleosti: Bagridae: Olyrininae)

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### ABSTRACT

*Olyra longicaudata* McClelland, 1842 (Teleosti: Bagridae: Olyrininae) was redescribed and neotypes were designated based on 3 specimens but as per the Code for Zoological Nomenclature a neotype can be designated based on one specimen. Hence we herein provide a correction note on the description of the neotype.

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### 1. INTRODUCTION

Recently Arunachalam, Raja, Mayden and Chandran (2013) published a paper on a new species of *Olyra*, *O. asterifera*, from the Manimalai River in Western Ghats mountain ranges of peninsular India. As the types *Olyra longicaudata* McClelland are not known the authors of this same paper designated neotypes for this species. In the designation of the neotype for *Olyra longicaudata* it was erroneously listed three specimens as neotypes (page 56). As per the rules of the International Code for Zoological Nomenclature a neotype is represented by a single specimen. Herein, we accordingly designate the specimen measuring 77.2 mm SL as a neotype. The largest specimen of the series, measuring 96.8 mm SL, was not used as the neotype as it is damaged on the caudal region and the caudal represents one of the diagnostic characters for *Olyra longicaudata*. We provide again the short description of the neotype along with the other specimens collected from the same locality.

*Olyra longicaudata* McClelland, *Calcutta J. nat. Hist.* 2: 588, tab. 21, fig 1, 1842 (Type locality Khasyah hills- No types known).

Neotype: Neotype by present designation, *Olyra longicaudata* MSUMNH 67, 1 ex, 77.2 mm SL; CMA 24, 4 ex., 76.3-96.8 mm SL, Tlawang river, Sairang village, 25 km away from Aizwal, India (23° 46' 53" N, 92° 39' 07.9" E), 07 May 2011. Collectors: M. Arunachalam, M. Raja, C. Vijayakumar and S. Nandagopal.

Morphometric characters are provided in Table 1. Head elongate, flattened at the snout, and covered with a soft skin. Operculum terminates posteriorly in an oblique point directed towards the dorsal fin. Mouth sub-terminal, upper

jaw slightly longer than lower and the lips are more or less fleshy. Supraoccipital bone apparently free posteriorly.

Nares distant from each other, anterior tubular and posterior oval with a rim that is produced anteriorly with a barbel. Barbels 8. Nasal barbels slender and, when straightened reaching posterior end of preoperculomandibular pores (PO7). One pair of maxillary barbel when depressed extending to end of pectoral fin; outer mandibular barbels longer than inner, reaching the end of the pectoral fin base; inner mandibular barbels reaching posterior end of the preoperculomandibular pore 6. Gill opening wide and not confluent with isthmus. Eyes small and covered by a soft skin.

Cephalic sensory canals simple. Supraorbital canal with three pores present at (SO1-SO3) and medially adjacent to anterior nostril; canal postero-medial to anterior nasal and mid-distant of inter-narial length. Infraorbital pores present (IO1-IO3); postero-lateral corner of anterior naris slightly behind nasal barbel base and behind eye; pre-opercular mandibular canal with 8 pores; pores have wide openings; lateral line complete and with 28 pores; canal reaching hypurals.

Dorsal profile nearly horizontal, nape not elevated, body flattened anterior to and compressed posterior to pelvic fin base. Dorsal fin rays i, 6 and without any osseous ray; fin origin above vertical from pelvic fin origin. First ray of dorsal fin shortest; rays 4-5 longest.

Base of dorsal fin rays covered by soft skin. Adipose fin low, smooth, originating at about 60% of SL, and above vertical through 10<sup>th</sup> anal fin ray; fin confluent with caudal fin. Pectoral fin insertion immediately behind gill opening; length of fin equal to head length. Pectoral fin rays i, 6 and minute external serrations (12) and strong internal serrations (12) or

**Table 1**  
Morphometric data of *Olyra longicaudata* (n=5)

	Neotype MSUMNH 67 (N=1)	Non-Types CMA (n=4)	Mean±SD (N=5)
1 Standard length	77.2	76.3-96.8	
<b>% SL</b>			
2 Pre dorsal length	34.3	34.0-36.1	34.8±0.8
3 Pre anal length	57.0	54.4-57.0	55.6±1.2
4 Pre pelvic length	37.6	34.8-37.6	35.8±1.2
5 Pre pectoral length	14.6	14.6-16.4	15.6±0.8
6 Length of dorsal fin base	8.5	7.9-9.0	8.5±0.4
7 Length of longest dorsal fin ray	17.2	16.4-20.7	18.3±0.5
8 Length of dorsal spine	8.6	8.4-9.2	8.7±0.4
9 Length of anal fin base	28.2	26.8-28.9	28.0±0.9
10 Length of longest anal fin ray	10.4	10.1-11.3	10.5±0.6
11 Pelvic fin length	13.9	11.3-14.1	13.3±1.2
12 Pectoral fin length	11.2	9.5-11.2	10.2±0.7
13 Distance b/w pectoral to pelvic	18.2	17.5-20.3	18.4±0.4
14 Distance b/w pelvic to anal	17.1	16.8-18.2	16.9±0.4
15 length of caudal fin upper lobe	29.8	27.7-30.1	29.6±1.3
16 length of caudal fin lower lobe	20.4	18.4-18.9	19.3±0.7
17 length of Adipose fin base	18.2	17.6-19.5	18.7±0.8
18 Distance b/w dorsal origin to adipose origin	33.2	31.3-34.3	33.1±1.2
19 Length of caudal peduncle	11.6	11.6-13.9	12.4±1.0
20 Depth of caudal peduncle	7.6	6.7-8.2	7.3±0.6
21 Body depth at anus	8.2	7.5-8.6	8.1±0.5
22 Body depth at dorsal fin origin	9.0	7.9-9.1	8.5±0.5
23 Head length	17.3	15.9-17.3	16.7±0.6
24 Head width	10.2	9.7-11.8	10.4±0.8
25 Head depth	6.2	6.0-7.2	6.6±0.5
<b>% HL</b>			
1 Snout length	33.1	33.1-35.2	34.2±0.8
2 Head depth at nape	22.1	21.5-24.8	22.8±1.3
3 Head depth at eye	26.7	26.1-28.4	27.0±1.0
4 Head depth at occiput	44.6	40.2-45.0	43.3±1.9
5 Head width at eye	53.0	51.9-57.1	54.5±2.0
6 Inter orbital distance	36.1	30.1-37.0	33.8±2.8
7 Inter nasal distance	24.0	24.0-29.8	25.4±2.5
8 Eye diameter	9.8	9.8-12.2	10.8±1.1
9 Maxillary barbel length	152.7	152.7-172.0	162.3±7.9
10 Nasal barbel length	32.9	32.9-38.1	35.4±2.0
11 Inner mandibular barbel length	43.6	43.6-49.3	46.5±2.2
12 Outer mandibular barbel length	76.9	76.9-82.5	78.5±1.9

denticulations. Pelvic fin rays i, 5; fin longer than pectoral and situated midway between pectoral fin insertion and anal fin origin; fin vertical from posterior to dorsal fin origin. Tip of pelvic fin not reaching anal fin base.

Anus and urogenital opening situated slightly posterior to middle of the pelvic fin base. Genital papilla anterior to base of anal fin; males with a conical papilla reaching to base of caudal fin. Anal fin elongate; first ray simple; total rays 18. Anal fin unsheathed and not confluent with caudal.

Caudal fin lanceolate, total rays 26; 9+8 principal rays. Upper lobe of caudal fin greater than half again of lower lobe; 6<sup>th</sup> and 7<sup>th</sup> principal caudal fin rays longest

## REFERENCES

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